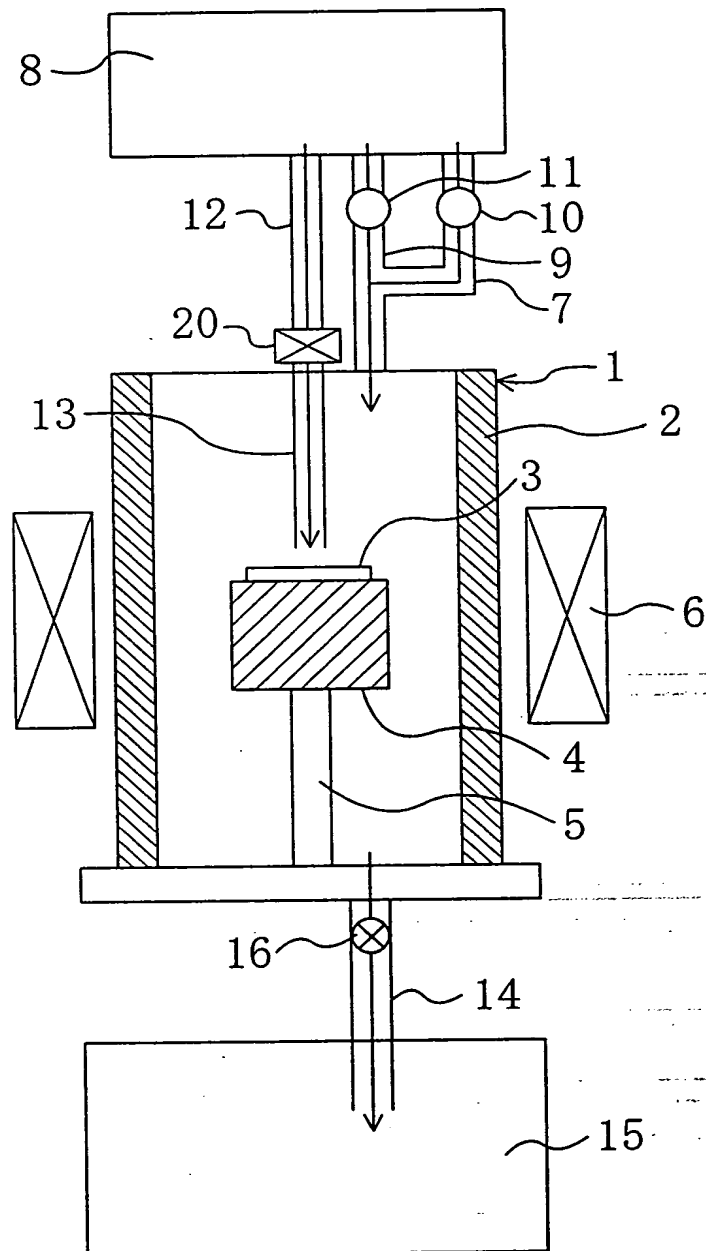
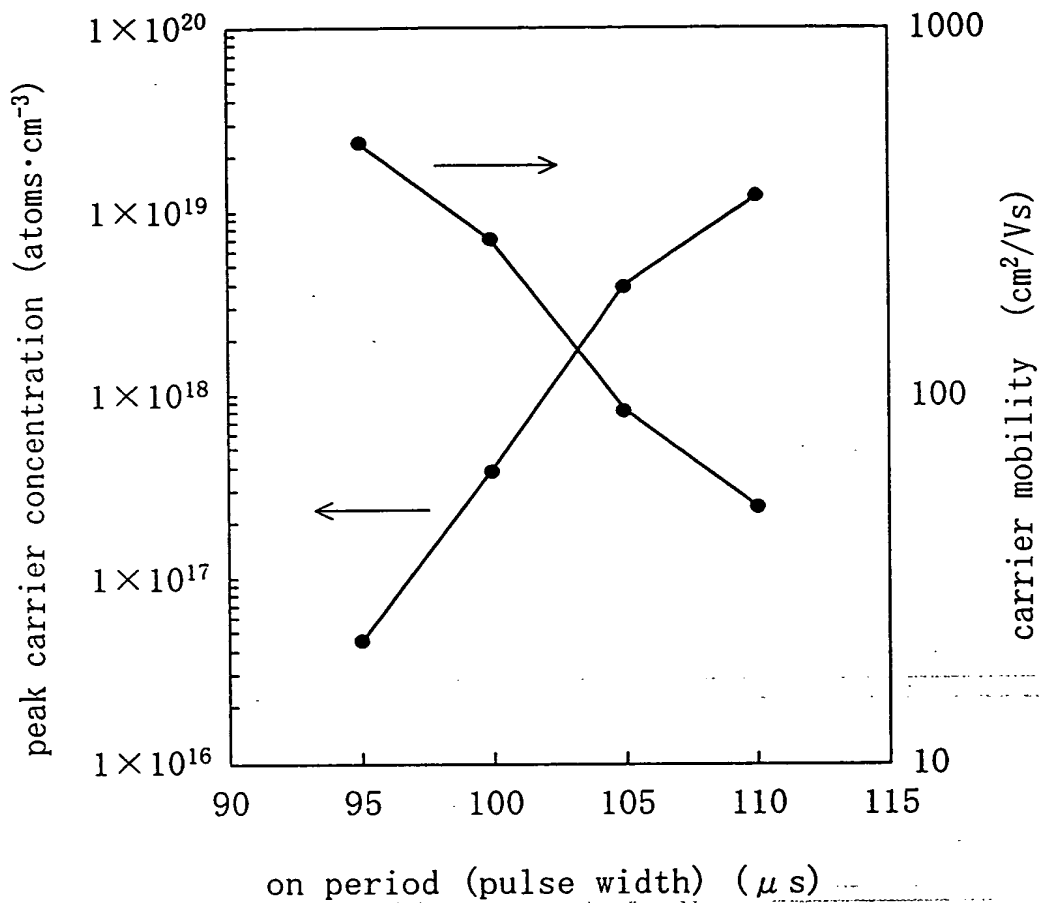


FIG. 1

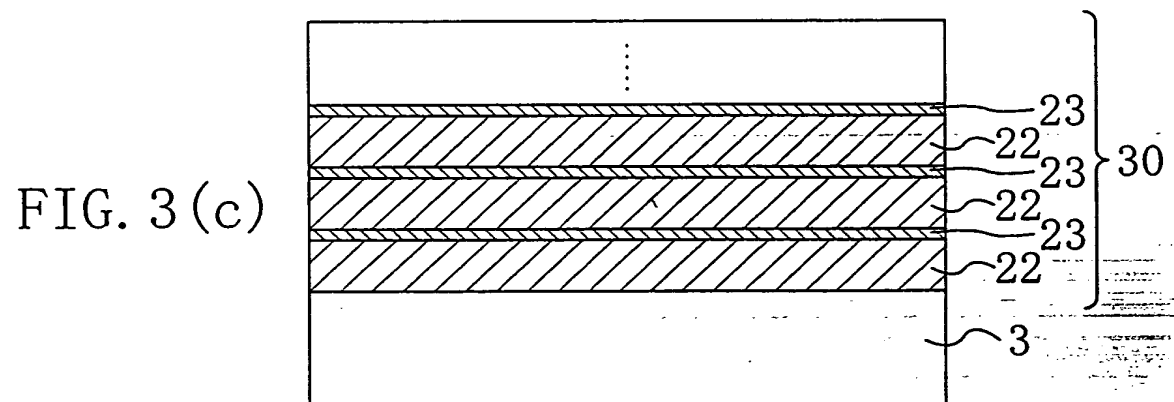
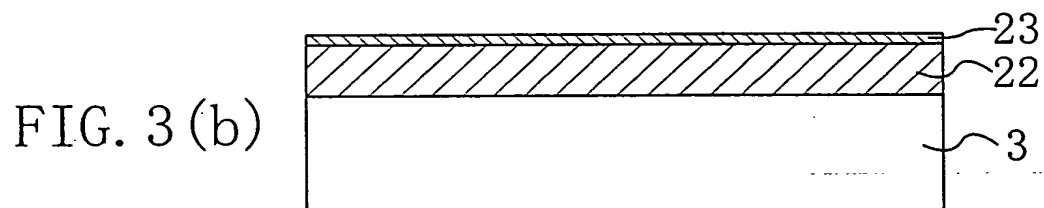
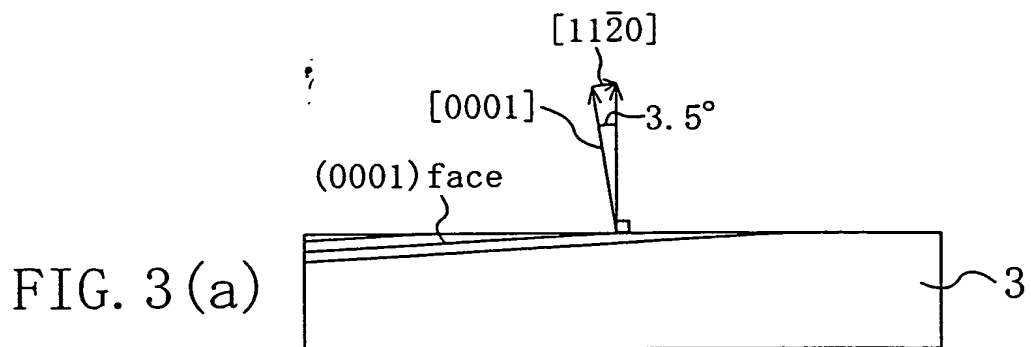


2/23

FIG. 2

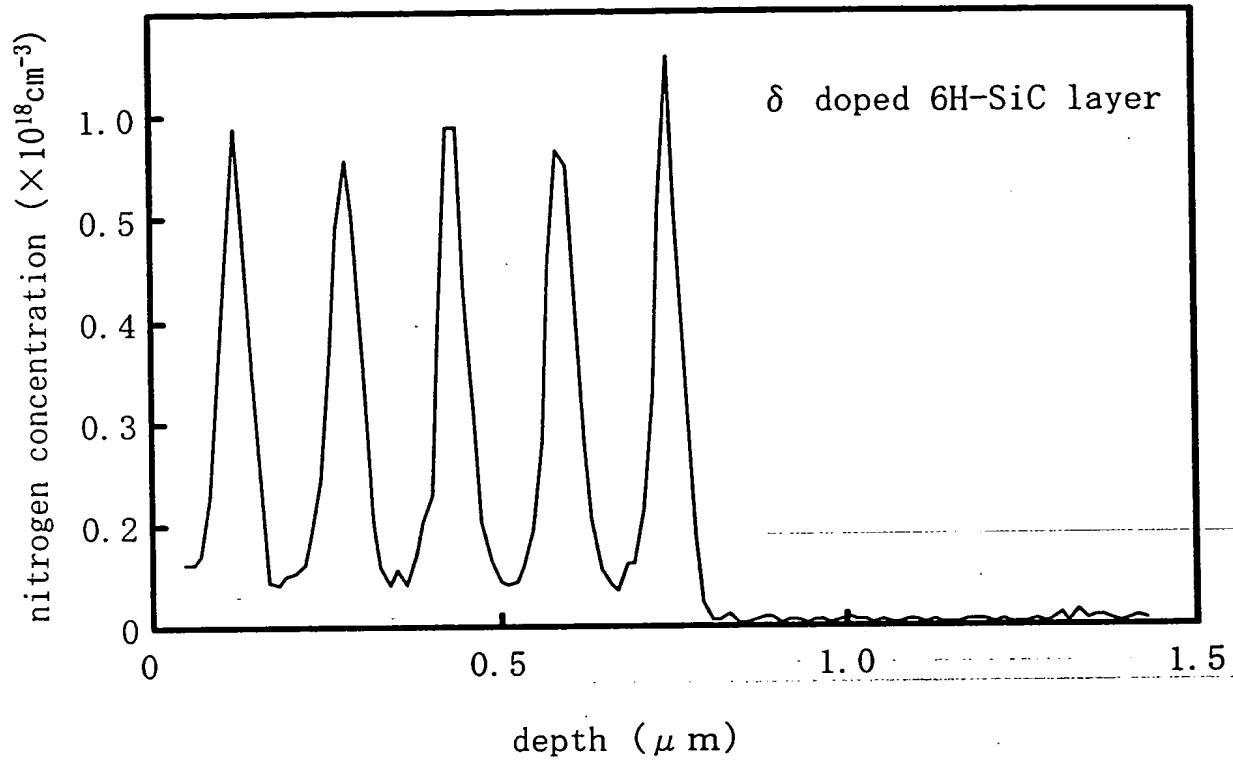


3/23



4/23

FIG. 4



5/23

FIG. 5(a)

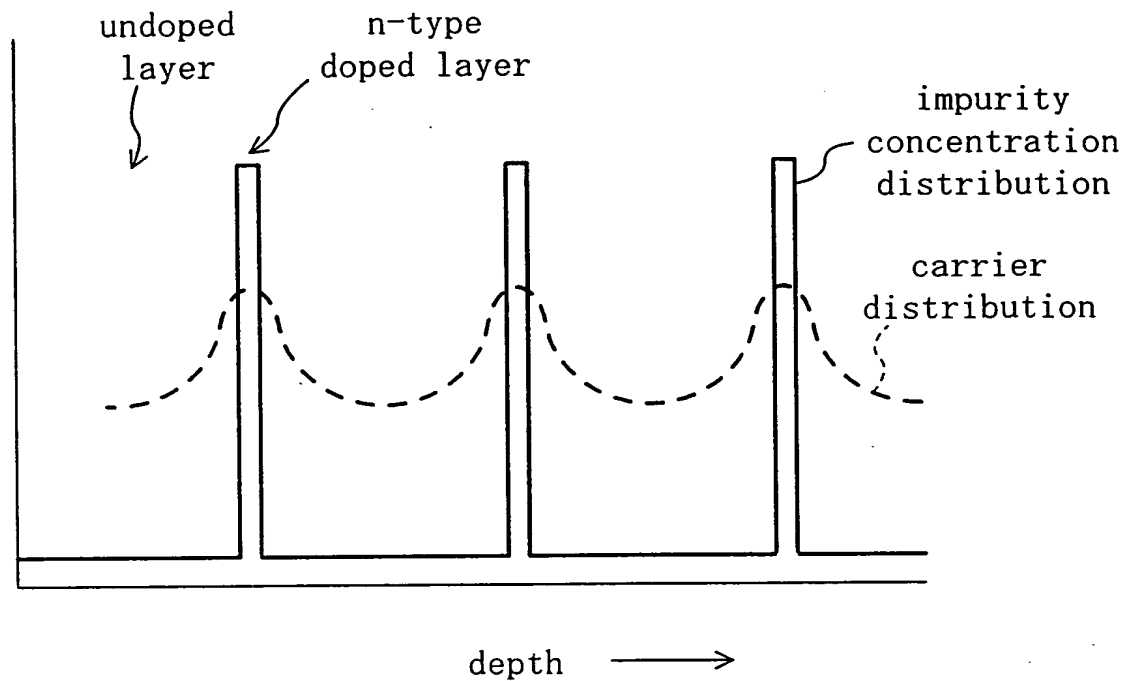


FIG. 5(b)

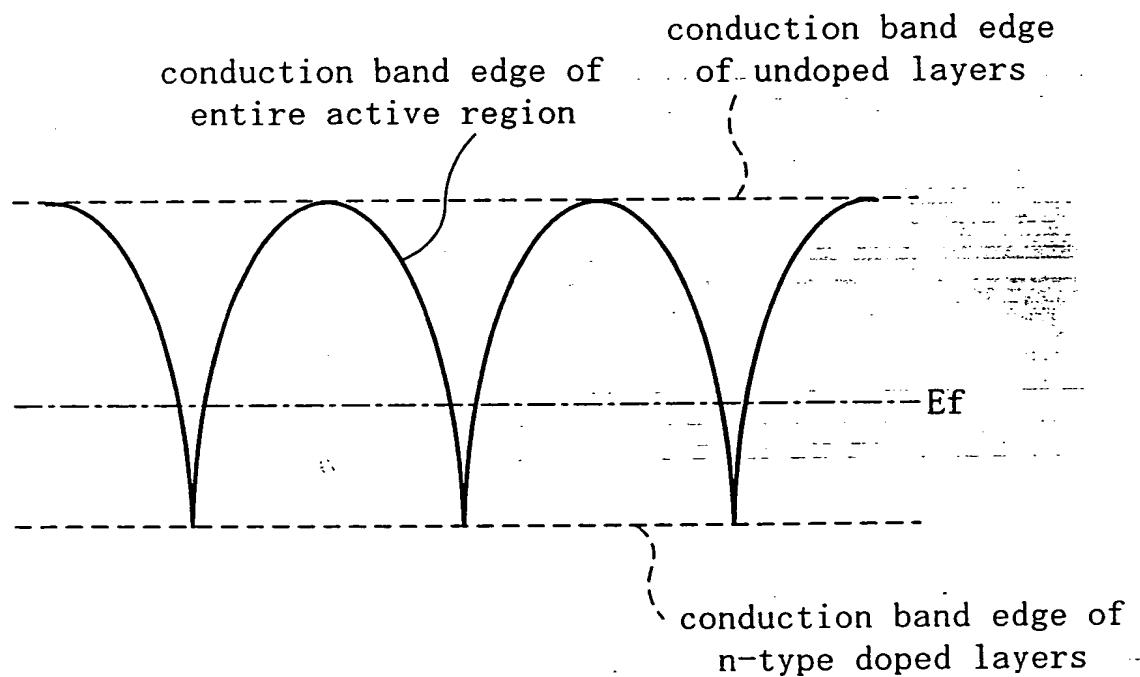
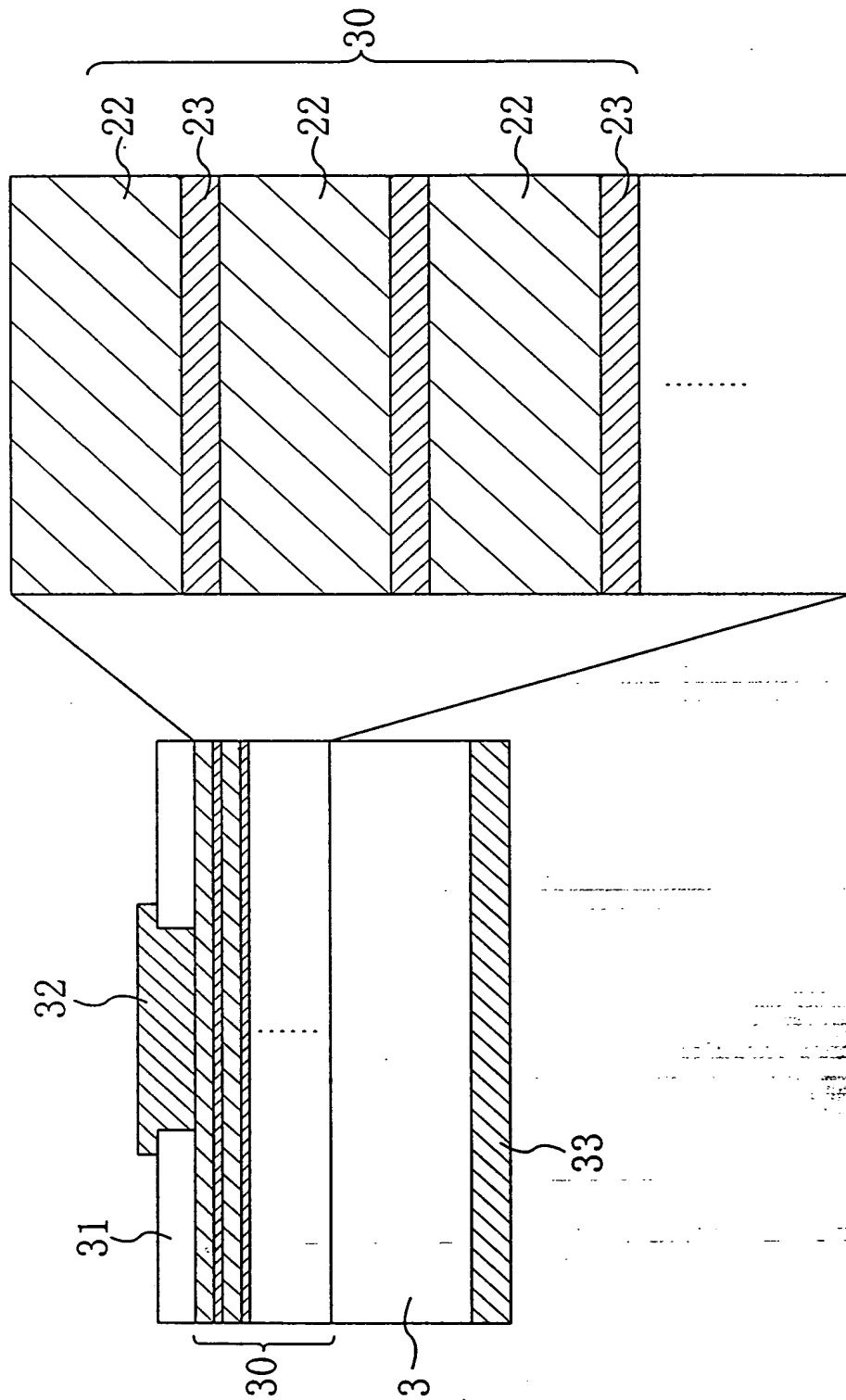


FIG. 6



7/23

FIG. 7 (a)

second embodiment

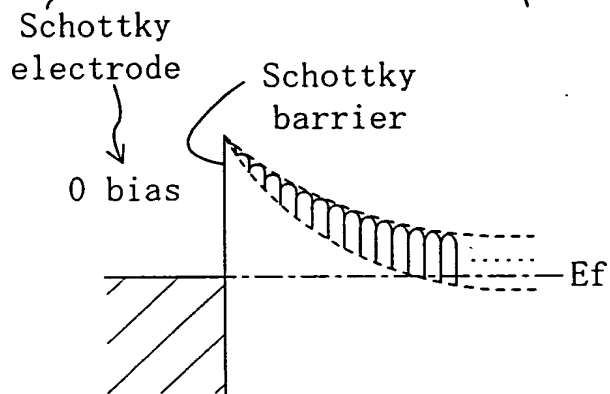


FIG. 7 (a2)

conventional example

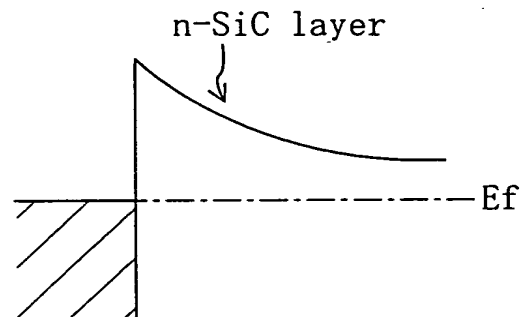


FIG. 7 (b1)

forward bias

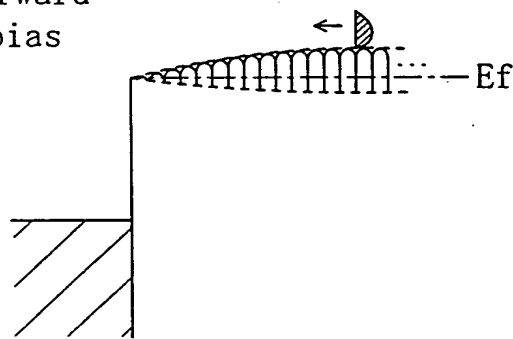


FIG. 7 (b2)

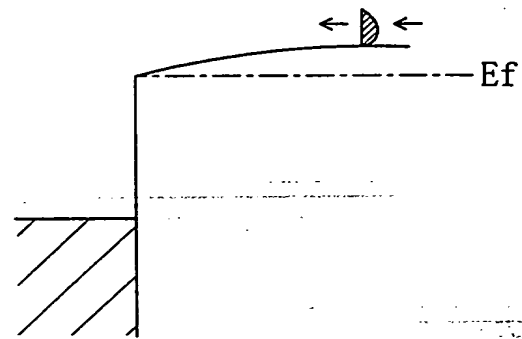


FIG. 7 (c1)

reverse bias

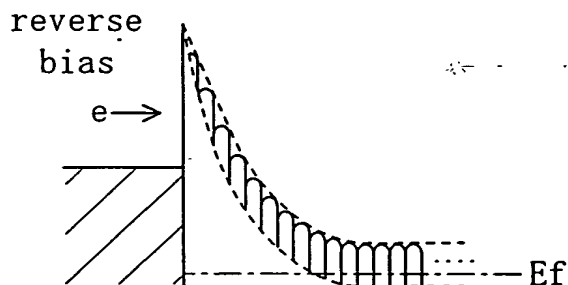
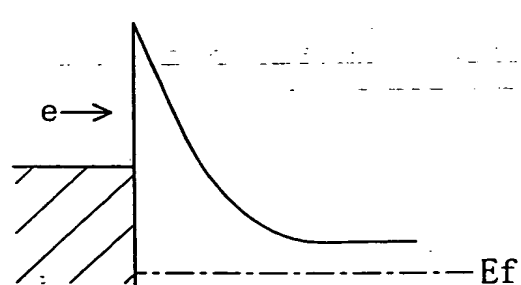
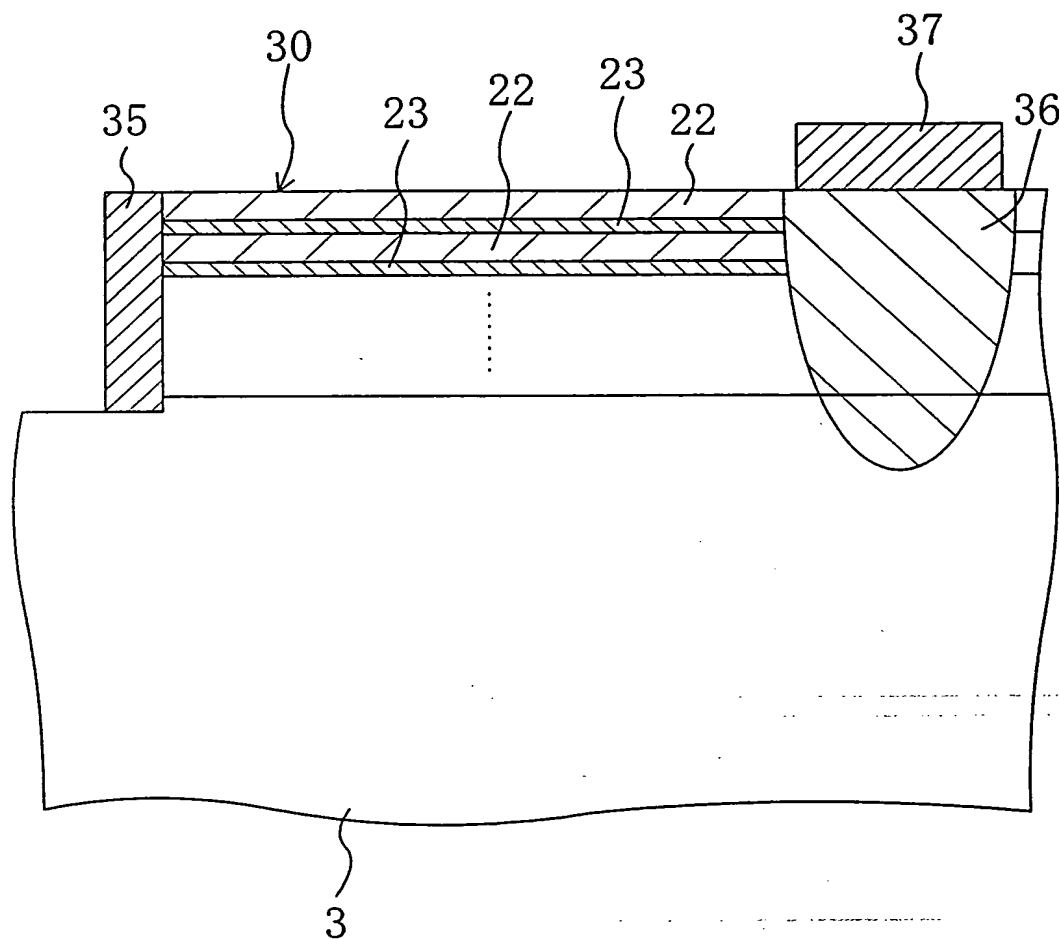


FIG. 7 (c2)



8/23

FIG. 8



9/23

FIG. 9(a1)

FIG. 9(a2)

FIG. 9(a3)

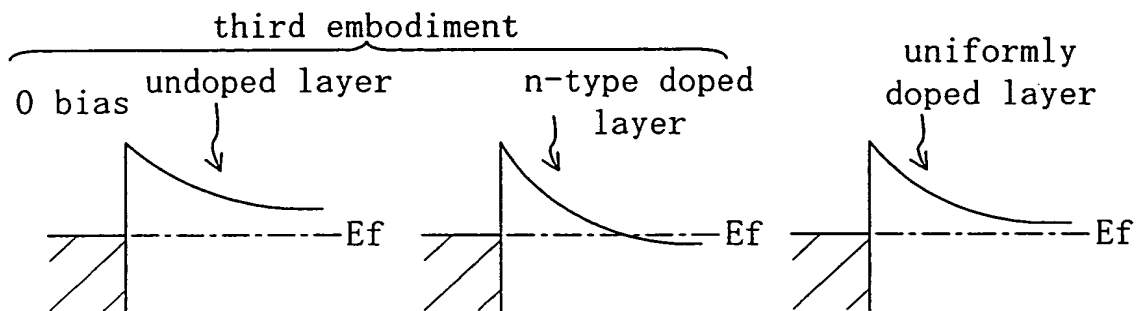


FIG. 9(b1)

FIG. 9(b2)

FIG. 9(b3)

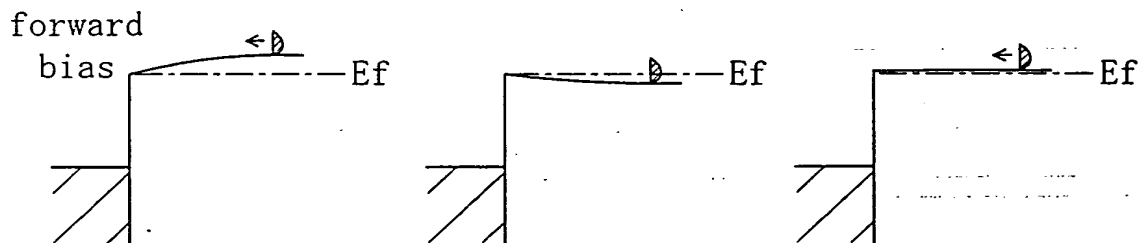


FIG. 9(c1)

FIG. 9(c2)

FIG. 9(c3)

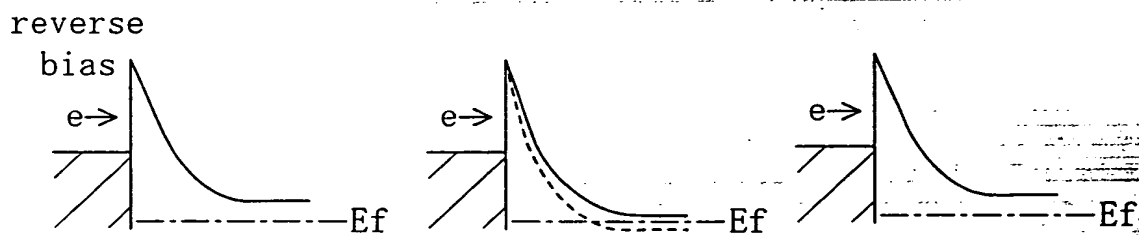
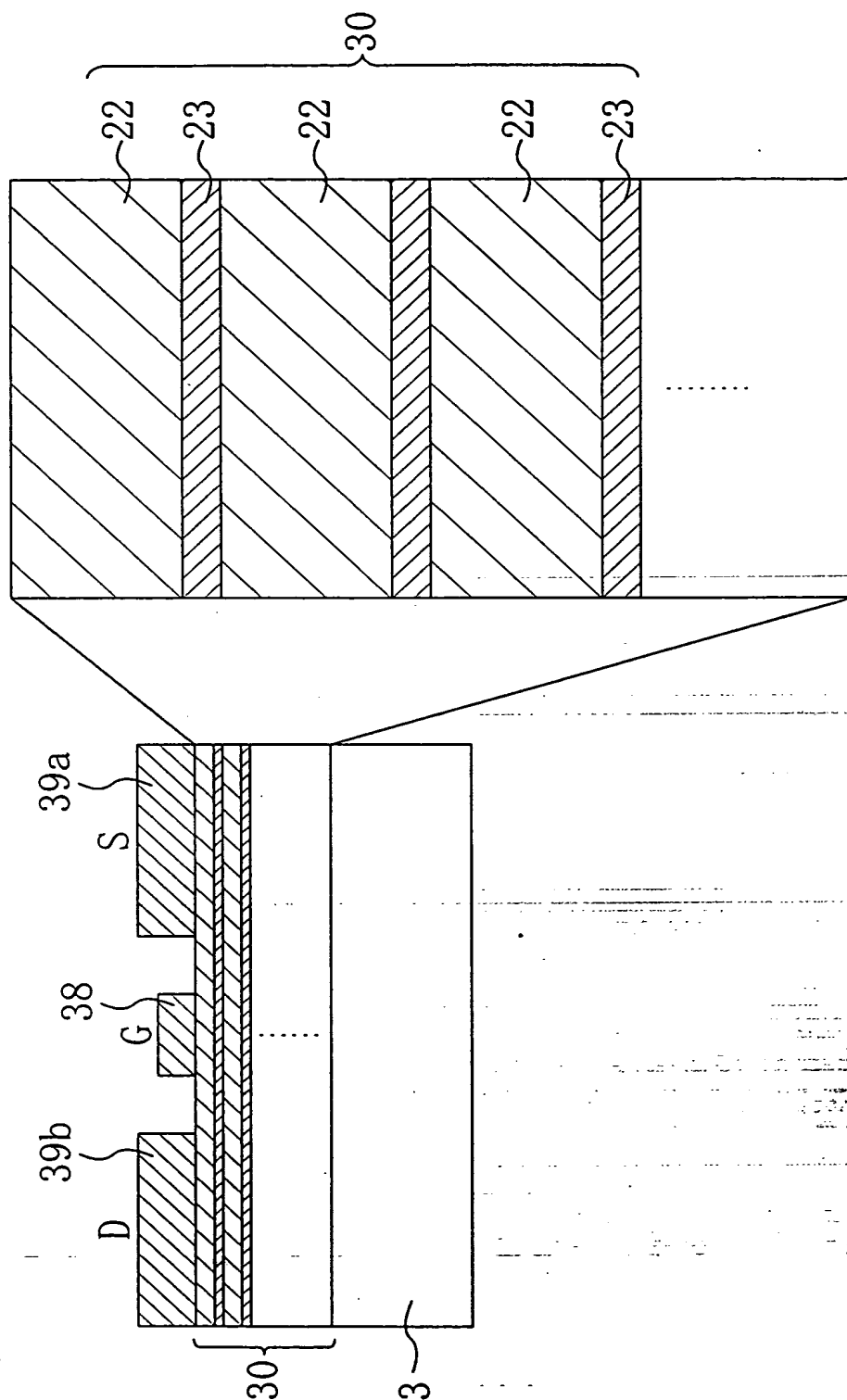
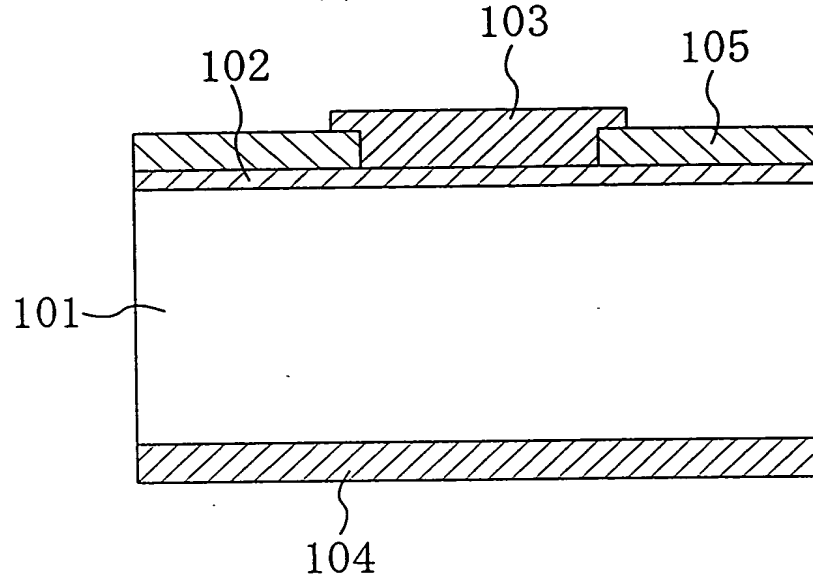


FIG. 10



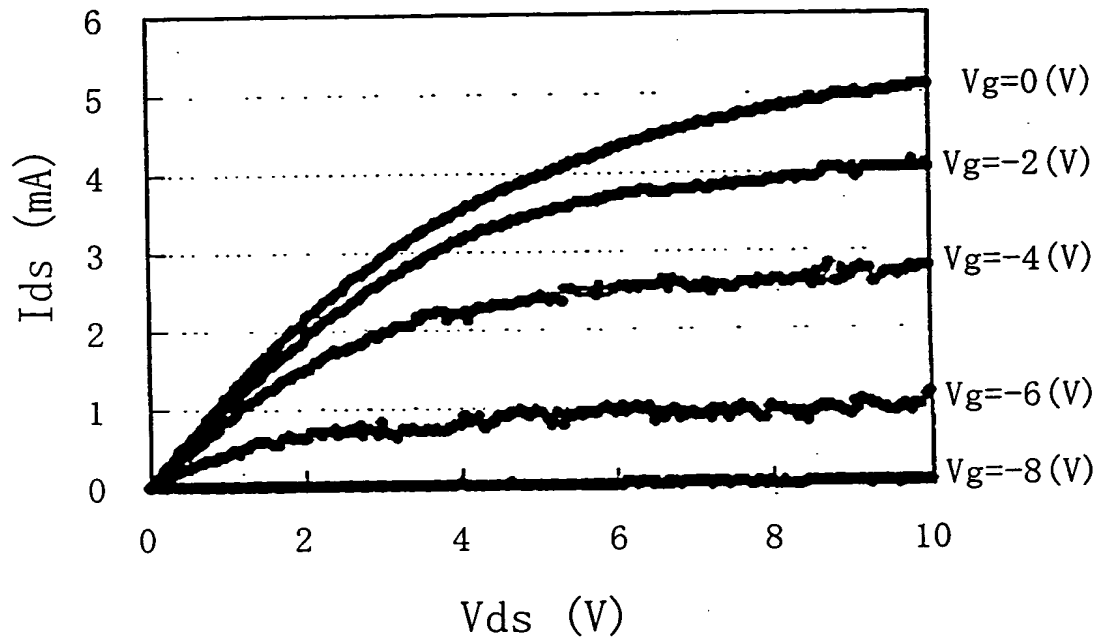
11/23

FIG. 11
PRIOR ART



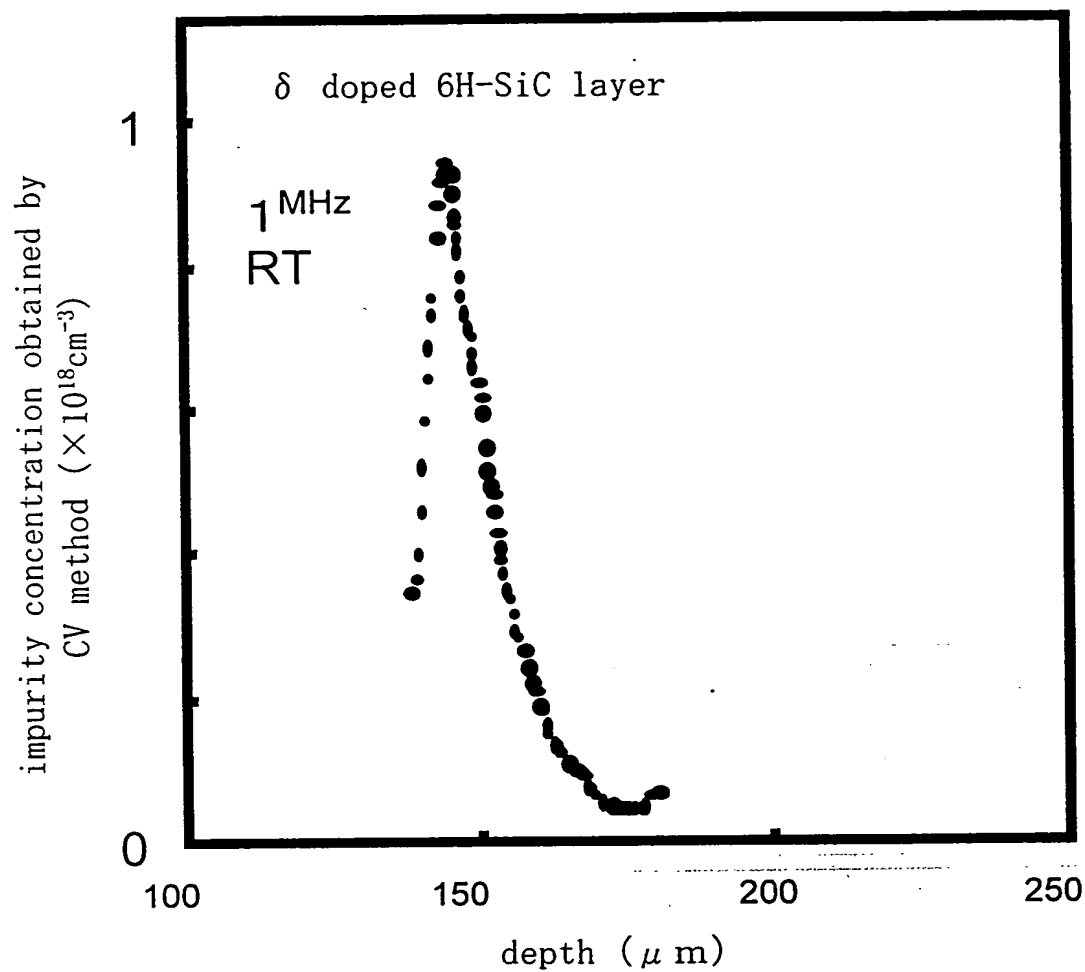
12/23

FIG. 12



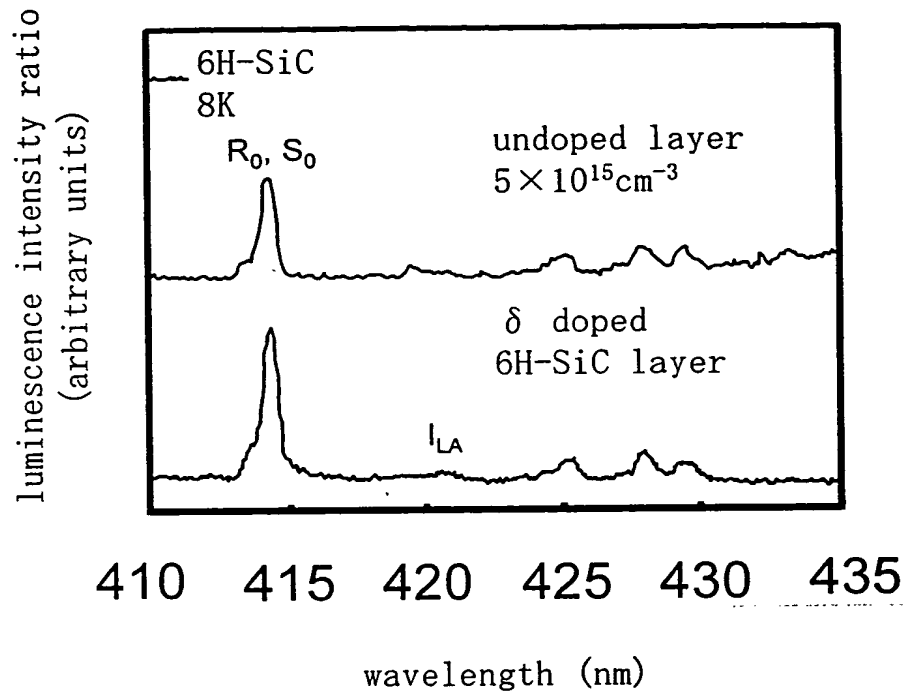
13/23

FIG. 13



14/23

FIG. 14



15/23

FIG. 15(a)

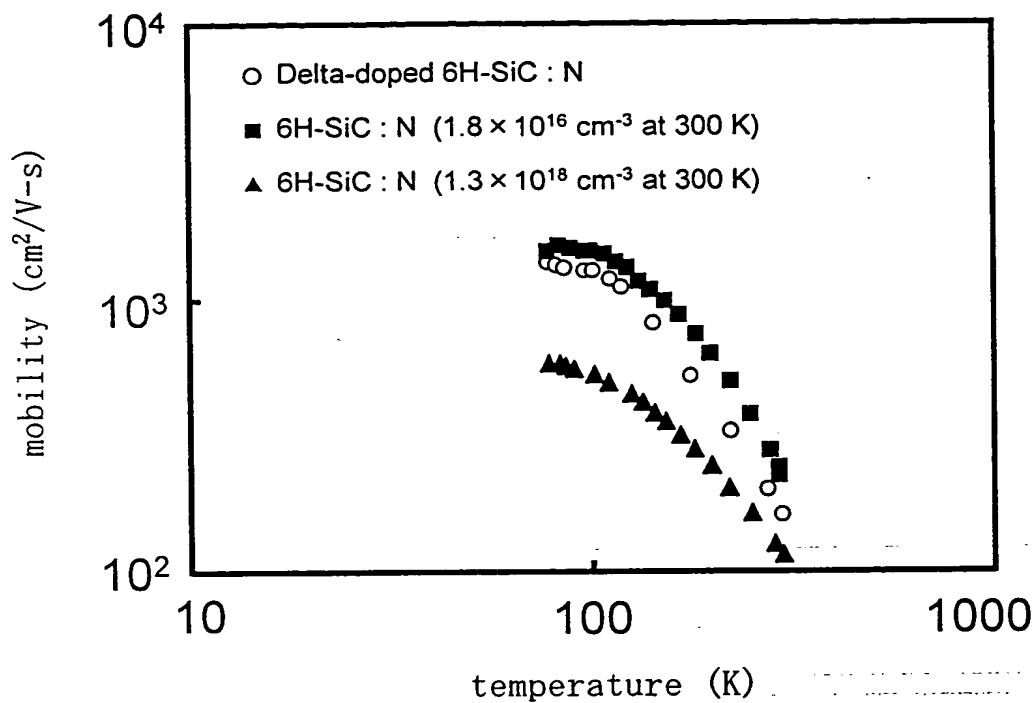
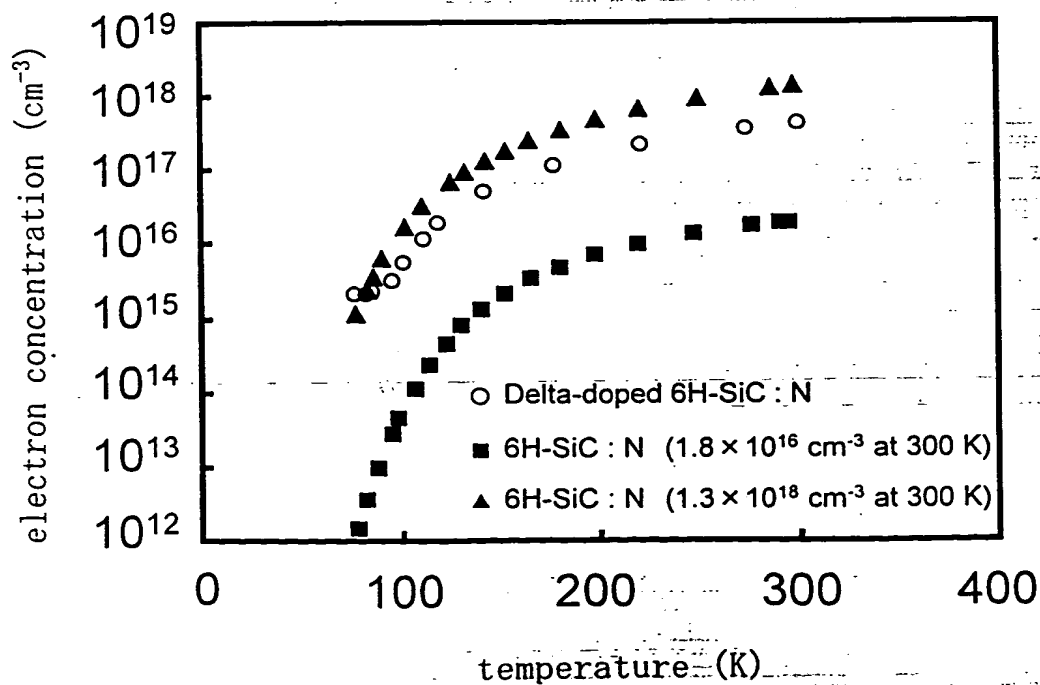
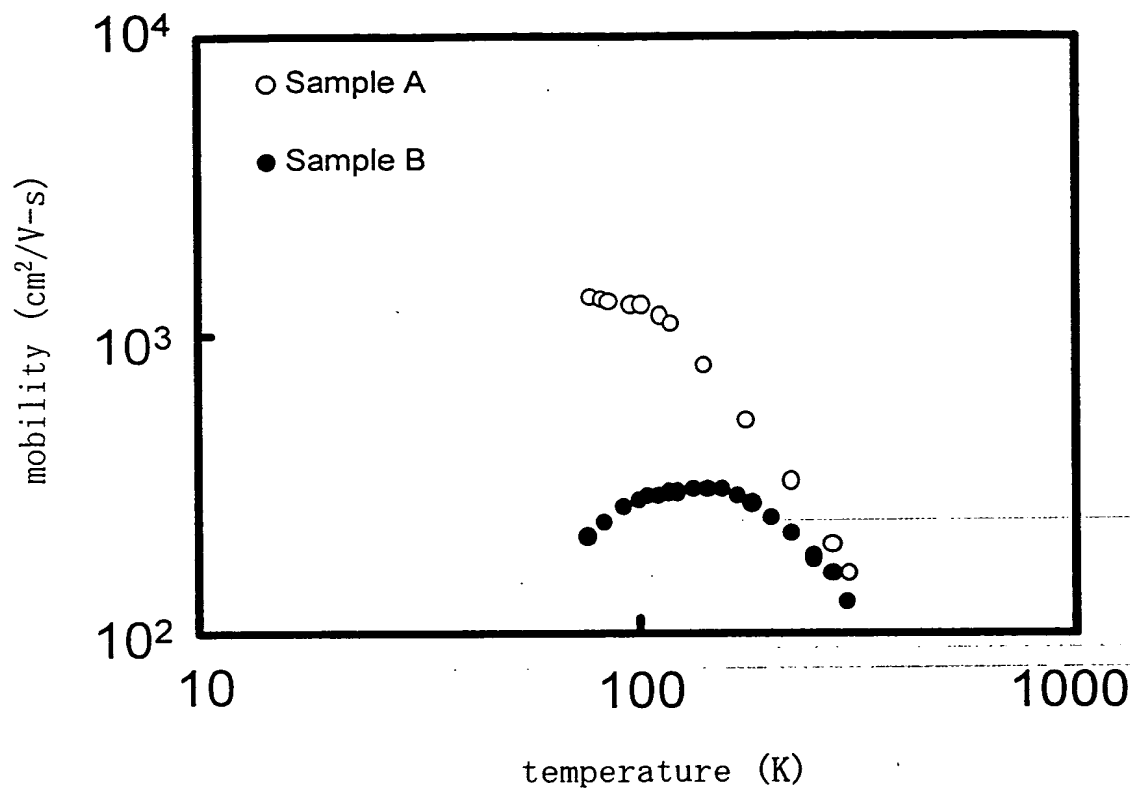


FIG. 15(b)



16/23

FIG. 16



17/23

FIG. 17(a)

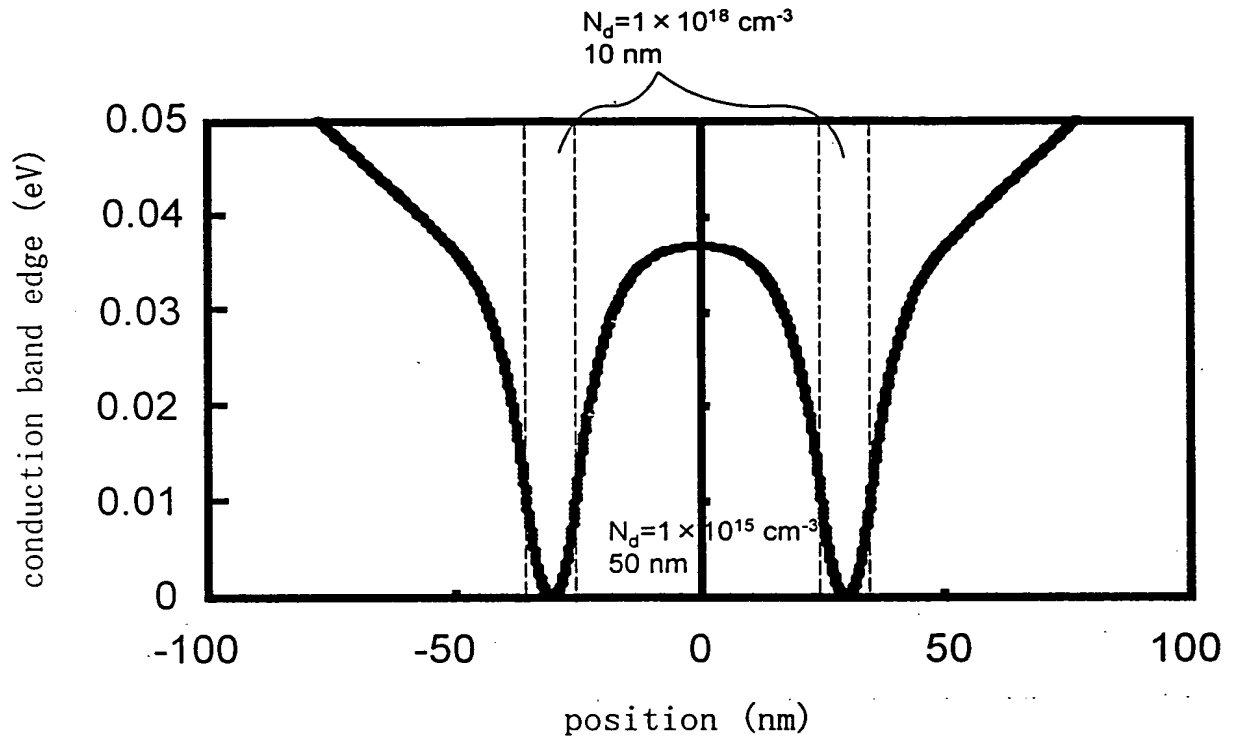
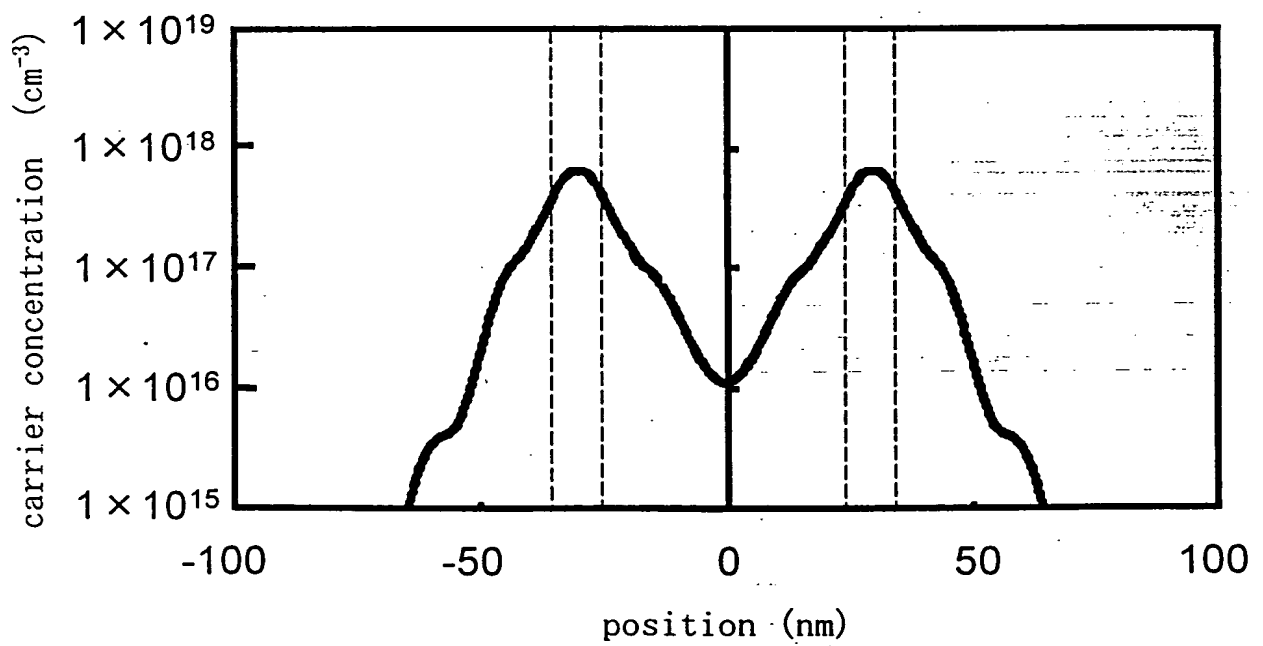


FIG. 17(b)



18/23

FIG. 18(a)

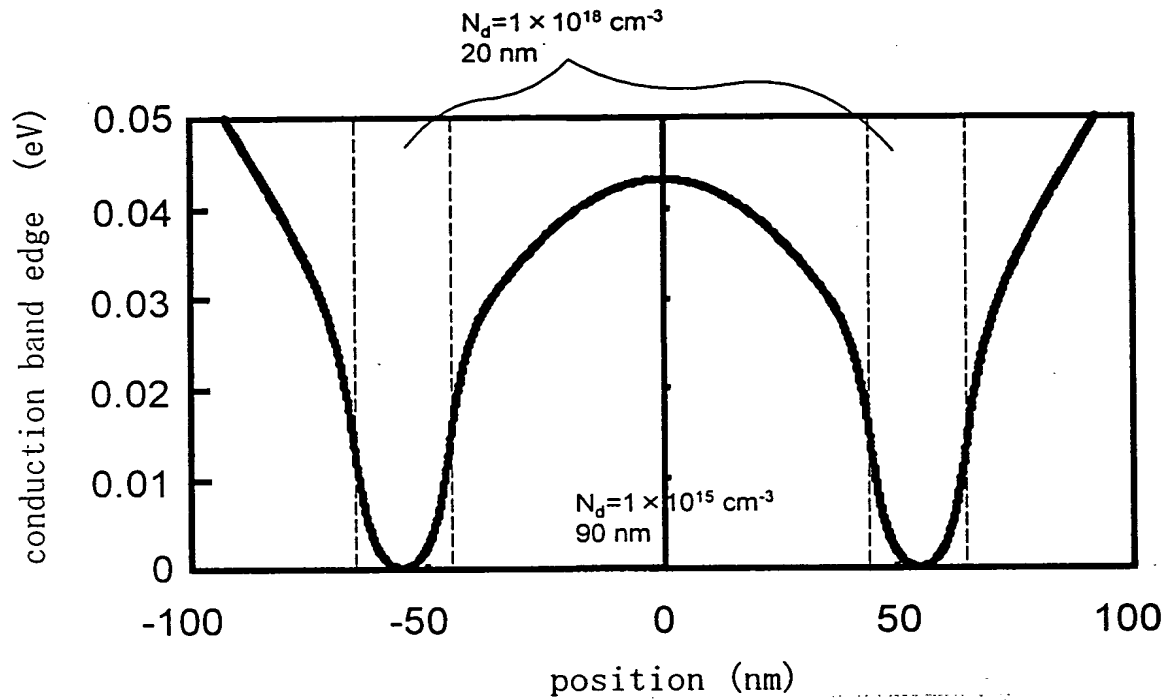
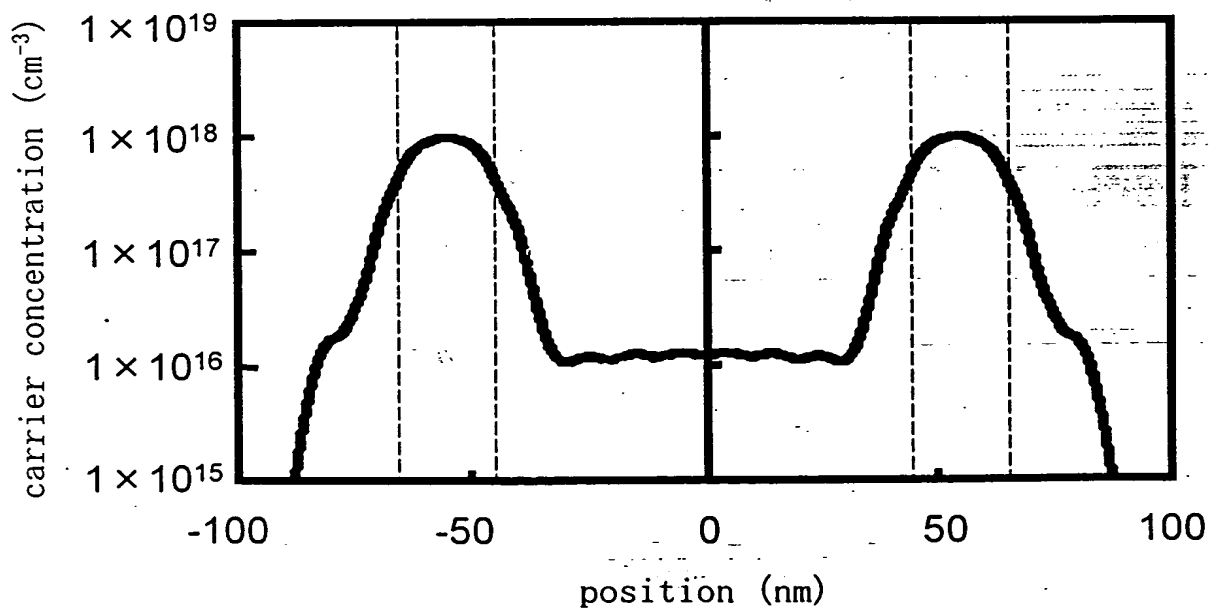
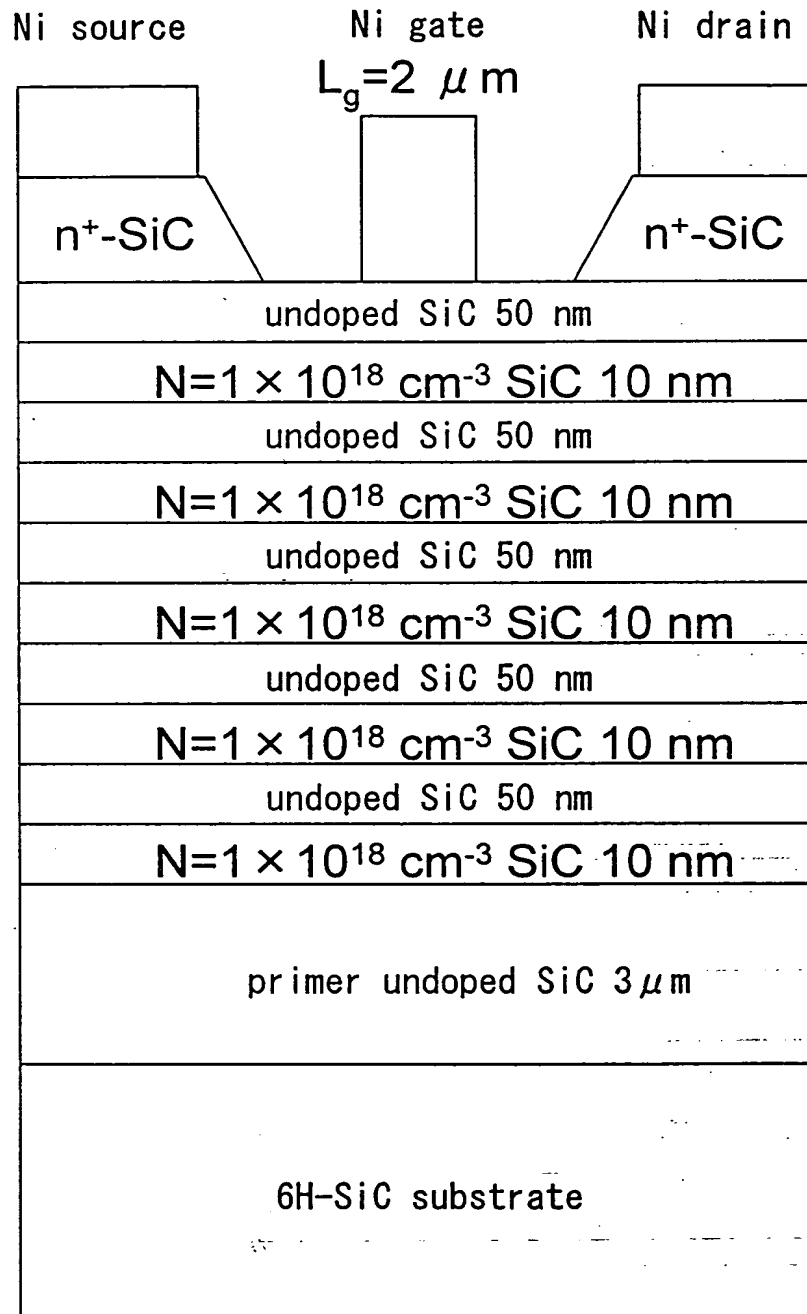


FIG. 18(b)



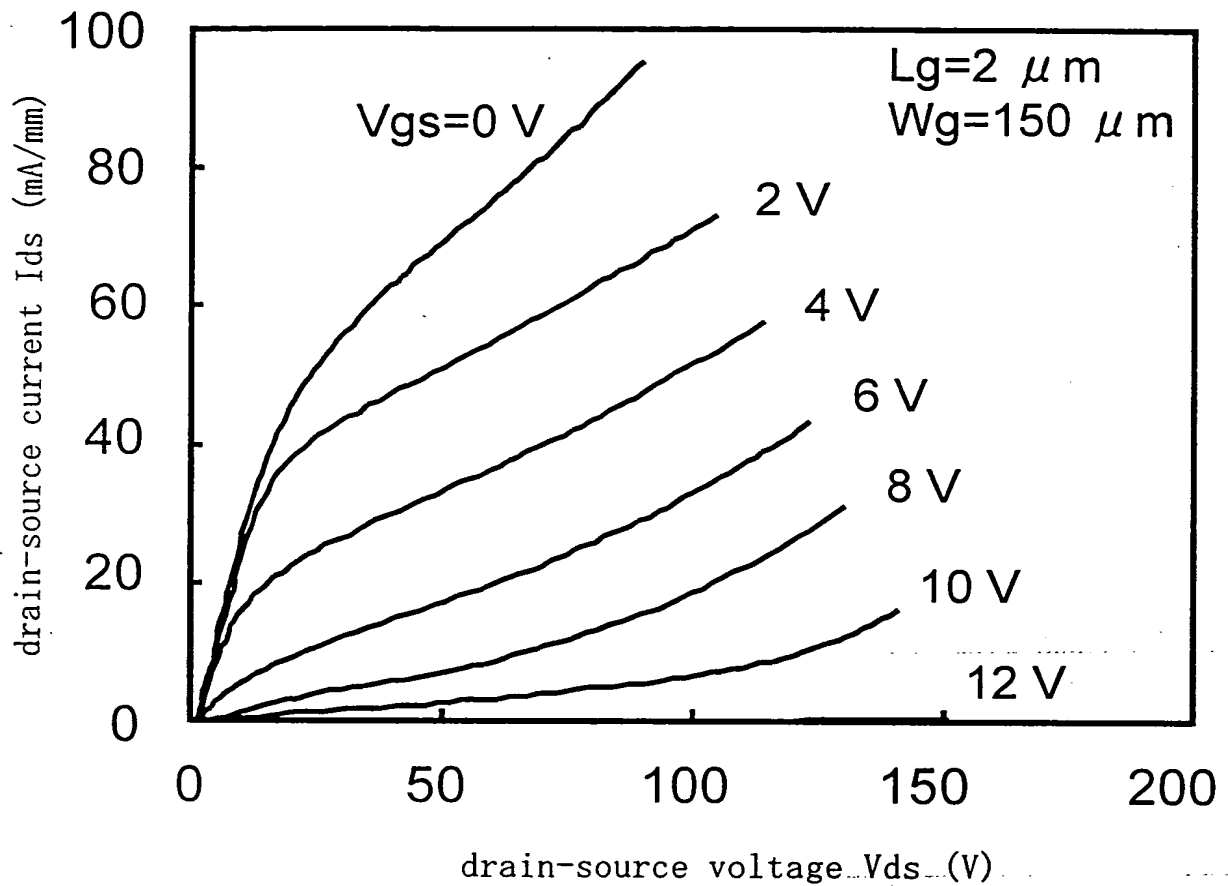
19/23

FIG. 19



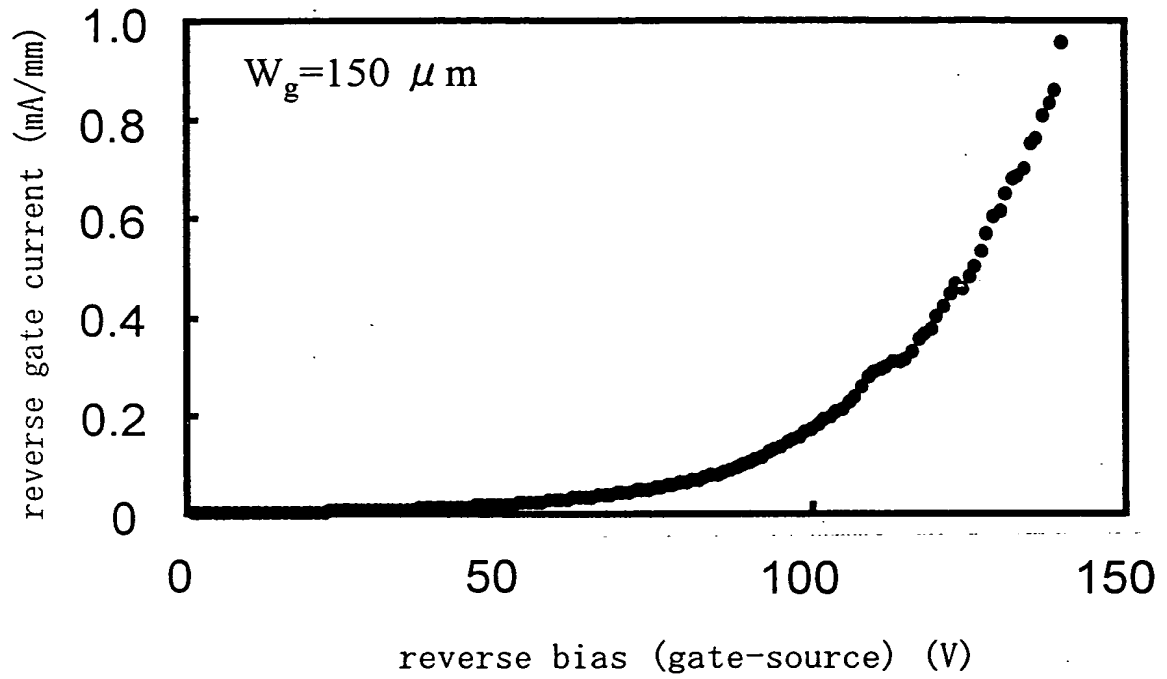
20/23

FIG. 20



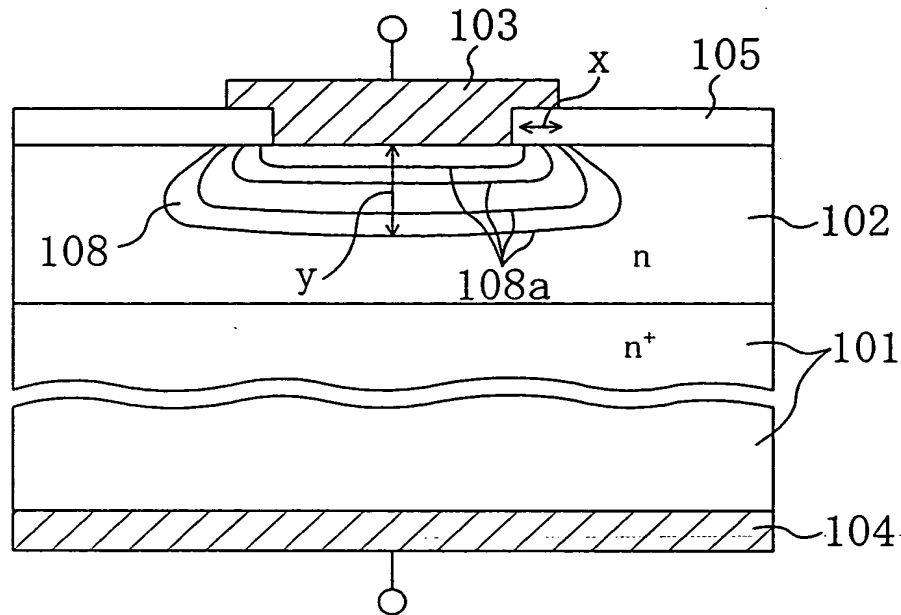
21/23

FIG. 21



22/23

FIG. 22



23/23

FIG. 23

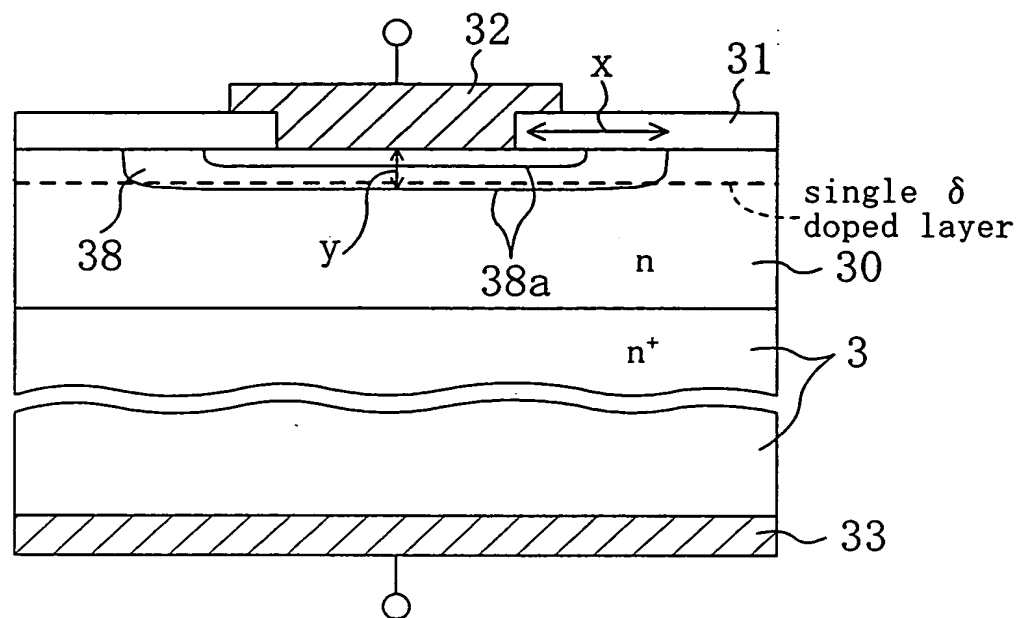


FIG. 24

